

Express Mail Label No.: EV054296683US

Date of Deposit: February 13, 2002

Attorney Docket No. 17999-004 CON



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: DeGroot
SERIAL NUMBER: 10/044,703 EXAMINER: Not Yet Assigned
FILING DATE: November 9, 2001 ART UNIT:
FOR: Human T Cell Response To MHC-Binding Motif Clusters

BOX IDS

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicant hereby makes of record the documents listed on the attached modified Form PTO-1449, as well as copies of the listed documents.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits in the above-identified case. Accordingly, no fee or certification is believed required.

A copy of each of the references in the above-identified application is enclosed unless otherwise indicated on the attached modified Form PTO-1449. It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed form PTO-1449 to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.


By submitting this Information Disclosure Statement, the Applicant makes no representation that: (1) a search has been performed, of the extent of any search performed, or that more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

APPLICANTS: DeGroot
U.S.S.N.: 10/044,703

Notwithstanding any statements by the Applicant, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested.

Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 17999-004 CON.

Respectfully submitted,

 *Ivor R. Elrifi*, Reg. No. 39,529
Attorney for Applicant
MINTZ, LEVIN, COHN, FERRIS,
GLOVSKY and POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
Tel: (617) 542-6000
Fax: (617) 542-2241

Reg. No. 45,899

Dated: February 13, 2002

TRA 1630138v1

Please type a plus sign (+) in this box



PTO/SB (12-97)
Approved for use through 9/30/00. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	10/044,703
	Filing Date	11/09/2001
	First Named Inventor	DeGroot
	Group Art Unit	
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	17999-004 CON

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1*	Davenport, et al. (1995). "An empirical method for the prediction of T-cell epitopes." <i>Immunogenetics</i> 42(5): 392-397.
	C2*	DeGroot, et al. (1996). "Computer Prediction of T-Cell Epitopes." <i>New Generation Vaccines</i> , 2 nd edition: 127-138.
	C3*	Falk, et al. (1991). "Allele-specific motifs revealed by sequencing of self-peptides eluted from MHC molecules." <i>Nature</i> 351: 290-296.
	C4*	Biesinger, et al. (1995). "The Product of the <i>Herpesvirus saimiri</i> Open Reading Frame 1 (Tip) Interacts with T Cell-specific Kinase p56 ^{lck} in Transformed Cells." <i>J. Biol. Chem.</i> 270(9): 4729-4734.
	C5*	Germain, et al. (1993). "The Biochemistry and Cell Biology of Antigen Processing and Presentation." <i>Ann. Rev. Immunol.</i> 11:403-450.
	C6*	Hammer, et al. (1994). "Precise Prediction of Major Histocompatibility Complex Class II-Peptide Interaction Based on Peptide Side Chain Scanning." <i>J. Exp. Med.</i> 180: 2353-2358.
	C7*	Meister, et al. (1995). "Two novel T cell epitope prediction algorithms based on MHC-binding motifs; comparison of predicted and published epitopes from <i>Mycobacterium tuberculosis</i> and HIV protein sequences." <i>Vaccine</i> 13(6): 581-591.
	C8*	Roberts, et al. (1996). "Prediction of HIV Peptide Epitopes by a Novel Algorithm." <i>AIDS Res. Hu. Retrovir.</i> 12(7): 593-610.
	C9*	DeGroot, et al. (1996). "A Novel Algorithm for the Efficient Identification of T-cell Epitopes: Prediction and Testing of Candidate Tuberculosis Vaccine Peptides in Genetically Diverse Populations." <i>Vaccines</i> 96: 127-141.
	C10*	Meister et al. (1995). "Two novel MHC-binding Motif-based T-cell Epitope Prediction Algorithms: Prediction of Epitopes for Six <i>Mycobacterium tuberculosis</i> Protein Antigens." <i>Vaccines</i> 95: 219-226.
	C11*	International Search Report for PCT/US01/08906 mailed on October 2, 2001.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/813,333, filed March 20, 2001 and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) in this box



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB (12-97)
Approved for use through 9/30/00. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	10/044,703
	Filing Date	11/09/2001
	First Named Inventor	DeGroot
	Group Art Unit	
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	17999-004 CON

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1*	Davenport, et al. (1995). "An empirical method for the prediction of T-cell epitopes." <i>Immunogenetics</i> 42(5): 392-397.
	C2*	DeGroot, et al. (1996). "Computer Prediction of T-Cell Epitopes." <i>New Generation Vaccines</i> , 2 nd edition: 127-138.
	C3*	Falk, et al. (1991). "Allele-specific motifs revealed by sequencing of self-peptides eluted from MHC molecules." <i>Nature</i> 351: 290-296.
	C4*	Biesinger, et al. (1995). "The Product of the <i>Herpesvirus saimiri</i> Open Reading Frame 1 (Tip) Interacts with T Cell-specific Kinase p56 ^{lck} in Transformed Cells." <i>J. Biol. Chem.</i> 270(9): 4729-4734.
	C5*	Germain, et al. (1993). "The Biochemistry and Cell Biology of Antigen Processing and Presentation." <i>Ann. Rev. Immunol.</i> 11:403-450.
	C6*	Hammer, et al. (1994). "Precise Prediction of Major Histocompatibility Complex Class II-Peptide Interaction Based on Peptide Side Chain Scanning." <i>J. Exp. Med.</i> 180: 2353-2358.
	C7*	Meister, et al. (1995). "Two novel T cell epitope prediction algorithms based on MHC-binding motifs; comparison of predicted and published epitopes from <i>Mycobacterium tuberculosis</i> and HIV protein sequences." <i>Vaccine</i> 13(6): 581-591.
	C8*	Roberts, et al. (1996). "Prediction of HIV Peptide Epitopes by a Novel Algorithm." <i>AIDS Res. Hu. Retrovir.</i> 12(7): 593-610.
	C9*	DeGroot, et al. (1996). "A Novel Algorithm for the Efficient Identification of T-cell Epitopes: Prediction and Testing of Candidate Tuberculosis Vaccine Peptides in Genetically Diverse Populations." <i>Vaccines</i> 96: 127-141.
	C10*	Meister et al. (1995). "Two novel MHC-binding Motif-based T-cell Epitope Prediction Algorithms: Prediction of Epitopes for Six <i>Mycobacterium tuberculosis</i> Protein Antigens." <i>Vaccines</i> 95: 219-226.
	C11*	International Search Report for PCT/US01/08906 mailed on October 2, 2001.

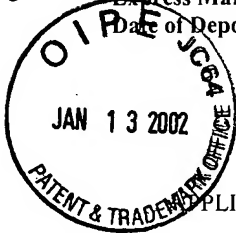
* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/813,333, filed March 20, 2001 and relied upon for an earlier filing date under 35 U.S.C. § 120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
---------------------------	--	------------------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Express Mail Label: EV054296683US
Date of Deposit: February 13, 2002

Attorney Docket No.: 17999-004CON



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : DeGroot
SERIAL NUMBER : 10/044,703
EXAMINER : Not Yet Assigned
FILING DATE : November 9, 2001
ART UNIT :
FOR : Human T Cell Response To MHC-Binding Motif Clusters

BOX IDS

Assistant Commissioner for Patents
Washington, D.C. 20231



30623

PATENT TRADEMARK OFFICE

TRANSMITTAL LETTER

Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (2 pages);
2. Modified Form 1449/PTO (1 page), in duplicate; and
3. Return Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 542-6000, Boston, Massachusetts.

The Commissioner is authorized to charge any additional fees that may be due, or to credit any overpayment, to the undersigned's account, Deposit Account No. 50-0311 Ref. No. 17999-004 CON. A duplicate copy of this transmittal letter is enclosed herewith.

Respectfully submitted,

Christina V. Kaurakis
Ivor R. Elrifi, Reg. No. 39,529
Attorney for Applicant
MINTZ, LEVIN, COHN, FERRIS,
GLOVSKY and POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
Tel: (617) 542-6000
Fax: (617) 542-2241

Dated: February 13, 2002

TRA 1630149v1